



EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|--|------------------|---------|------------------|
| S69 | 28 | ((planar or flat) adj2 antenna) with (frequency with band)) and ((radio or cell or cellular or mobile or portable) adj2 (phone or apparatus or telephone or terminal or station)) and (antenna with (receiver or amplifier)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/12/06 09:19 |
| S70 | 28 | ((planar or flat) adj2 antenna) with (frequency with band)) and ((radio or cell or cellular or mobile or portable) adj2 (phone or apparatus or telephone or terminal or station)) and (antenna with (receiver or amplifier)) | US-PGPUB; USPAT | OR | ON | 2006/12/06 09:14 |
| S71 | 30 | ((planar or flat) adj2 antenna) with (frequency with band)) and ((radio or cell or cellular or mobile or portable) adj2 (phone or apparatus or telephone or terminal or station)) and (antenna with (receiver or amplifier)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/06 09:14 |
| S72 | 30 | ((planar or flat) adj2 antenna) with (frequency with band)) and ((radio or cell or cellular or mobile or portable) adj2 (phone or apparatus or telephone or terminal or station)) and (antenna with (receiver or amplifier)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/12/06 14:46 |
| S73 | 24 | S72 and \$5electric | US-PGPUB; USPAT | OR | ON | 2006/12/06 14:48 |
| S74 | 4 | S73 and amplifier | US-PGPUB; USPAT | OR | ON | 2006/12/06 14:48 |
| S75 | 19402 | piezoelectric and dielectric | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/12/06 14:49 |
| S76 | 8265 | piezoelectric same dielectric | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/12/06 14:51 |
| S77 | 5878 | piezoelectric with dielectric | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/12/06 14:49 |
| S78 | 68 | S77 same antenna | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/12/06 14:50 |

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| S79 | 0 | S77 same (planar with antenna) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/12/06 14:49 |
| S80 | 4 | S77 and (planar with antenna) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/12/06 14:49 |
| S81 | 48 | S77 with antenna | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/12/06 14:50 |
| S82 | 8 | piezoelectric with (planar with antenna) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/12/06 14:59 |
| S83 | 2 | ("6140966").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2006/12/06 14:55 |
| S84 | 1 | ("6140966").PN. | US-PGPUB; USPAT | OR | OFF | 2006/12/06 14:55 |
| S85 | 1 | S84 and "170" | US-PGPUB; USPAT | OR | ON | 2006/12/06 14:56 |
| S86 | 1 | S84 and "110" | US-PGPUB; USPAT | OR | ON | 2006/12/06 14:56 |
| S87 | 0 | S84 and (speaker or amplif\$8) | US-PGPUB; USPAT | OR | ON | 2006/12/06 14:58 |
| S88 | 1 | S84 and (vibrat\$4 or radiat\$4) | US-PGPUB; USPAT | OR | ON | 2006/12/06 14:58 |
| S89 | 11 | piezoelectric same (planar with antenna) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/12/06 15:00 |
| S90 | 803 | piezoelectric with antenna | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/12/06 15:00 |
| S91 | 116 | S90 and planar | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/12/06 15:01 |
| S92 | 15 | S90 and (planar adj2 antenna) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/12/06 15:01 |
| S93 | 1 | ("5124733").PN. | US-PGPUB; USPAT | OR | OFF | 2006/12/07 11:53 |

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| S94 | 0 | S93 and piezoelectric | US-PGPUB; USPAT | OR | ON | 2006/12/07 11:56 |
| S95 | 1 | ("6927732").PN. | US-PGPUB; USPAT | OR | OFF | 2006/12/07 11:56 |
| S96 | 419872 | "1" and amplifier | US-PGPUB; USPAT | OR | ON | 2006/12/07 11:56 |
| S97 | 0 | S95 and amplifier | US-PGPUB; USPAT | OR | ON | 2006/12/07 12:06 |
| S98 | 6 | (piezoelectric or piezoceramic or piezo-electric or piezo-ceramic) with planar with antenna | US-PGPUB; USPAT | OR | ON | 2006/12/07 13:06 |
| S99 | 8 | (piezoelectric or piezoceramic or piezo-electric or piezo-ceramic) same (planar with antenna) | US-PGPUB; USPAT | OR | ON | 2006/12/07 13:07 |
| S10 0 | 2 | S99 not S98 | US-PGPUB; USPAT | OR | ON | 2006/12/07 12:08 |
| S10 1 | 24267 | (piezoelectric or piezoceramic or piezo-electric or piezo-ceramic) with (multiple or several or other or first or second) | US-PGPUB; USPAT | OR | ON | 2006/12/07 12:48 |
| S10 2 | 1996 | S101 and antenna | US-PGPUB; USPAT | OR | ON | 2006/12/07 12:49 |
| S10 3 | 67 | S101 and ((microstrip or planar) with antenna) | US-PGPUB; USPAT | OR | ON | 2006/12/07 16:24 |
| S10 4 | 4 | S101 same ((microstrip or planar) with antenna) | US-PGPUB; USPAT | OR | ON | 2006/12/07 12:54 |
| S10 5 | 161 | S101 same antenna | US-PGPUB; USPAT | OR | ON | 2006/12/07 12:55 |
| S10 6 | 77 | S101 with antenna | US-PGPUB; USPAT | OR | ON | 2006/12/07 15:03 |
| S10 7 | 9 | ("20020093394" "5294898" "5697087" "5839062" "5874866" "5942958" "6242843" "6262637").PN. OR ("6741146").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/07 13:04 |
| S10 8 | 6 | S107 and antenna | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/07 13:05 |
| S10 9 | 5 | S108 and (piezoelectric or piezo-electric or piezoceramic or piezo-ceramic or (piezo adj2 electric) or (piezo adj2 electric)) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/07 13:07 |
| S11 0 | 6 | (piezoelectric or piezo-electric or piezoceramic or piezo-ceramic or (piezo adj2 electric) or (piezo adj2 electric))with planar with antenna | US-PGPUB; USPAT | OR | ON | 2006/12/07 13:07 |

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| S11 1 | 8 | (piezoelectric or piezo-electric or piezoceramic or piezo-ceramic or (piezo adj2 electric) or (piezo adj2 electric)) same (planar with antenna) | US-PGPUB; USPAT | OR | ON | 2006/12/07 13:07 |
| S11 2 | 75 | S106 and (antenna with piezoelectric) | US-PGPUB; USPAT | OR | ON | 2006/12/07 15:04 |
| S11 3 | 4 | S112 and (flat with antenna) | US-PGPUB; USPAT | OR | ON | 2006/12/07 15:13 |
| S11 4 | 125 | (PZT or PVDF) and ((microstrip or planar or flat) with antenna) | US-PGPUB; USPAT | OR | ON | 2006/12/07 16:25 |
| S11 5 | 7 | (PZT or PVDF) same ((microstrip or planar or flat) with antenna) | US-PGPUB; USPAT | OR | ON | 2006/12/07 16:24 |
| S11 6 | 72 | (PZT or PVDF) and ((microstrip or planar or flat) with antenna) and ((radio or cell or cellular or wireless or portable) adj2 (phone or telephone or station or terminal or device or apparatus)) | US-PGPUB; USPAT | OR | ON | 2006/12/07 16:26 |
| S11 7 | 3 | (PZT or PVDF) and (((microstrip or planar or flat) with antenna) same ((radio or cell or cellular or wireless or portable) adj2 (phone or telephone or station or terminal or device or apparatus))) | US-PGPUB; USPAT | OR | ON | 2006/12/07 18:40 |
| S11 8 | 1 | ("6140966").PN. | US-PGPUB; USPAT | OR | OFF | 2006/12/07 18:40 |
| S11 9 | 1 | S118 and ground | US-PGPUB; USPAT | OR | ON | 2006/12/07 18:40 |